

09/365,349

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<input type="checkbox"/>	L9	L8 and Brassica	5
<input type="checkbox"/>	L8	L2 and metal	27
<input type="checkbox"/>	L7	L1 and metal	68
<input type="checkbox"/>	L6	L2 and Arabidopsis	6
<input type="checkbox"/>	L5	L2 and tobacco	12
<input type="checkbox"/>	L4	L2 and poplar?	2
<input type="checkbox"/>	L3	L2 and brassica?	0
<input type="checkbox"/>	L2	L1 and (recombinant or expression) and plant	36
<input type="checkbox"/>	L1	(glutamylcysteine near synthetase) and (gene or DNA or nucleic or nucleotide or protein or polypeptide)	123

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MISSING OPERATOR NTHETASE) (2A  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s (glutamylcysteine (w) synthetase) (2a) (gene or DNA or nucleic or nucleotide  
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2 FILES SEARCHED...  
8 FILES SEARCHED...  
11 FILES SEARCHED...  
18 FILES SEARCHED...  
25 FILES SEARCHED...  
33 FILES SEARCHED...

L1 469 (GLUTAMYL CYSTEINE (W) SYNTHETASE) (2A) (GENE OR DNA OR NUCLEIC  
OR NUCLEOTIDE OR PROTEIN OR POLYPEPTIDE)

=> s l1 and (recombinant or expression) and plant  
8 FILES SEARCHED...  
25 FILES SEARCHED...

L2 71 L1 AND (RECOMBINANT OR EXPRESSION) AND PLANT

=> s l2 and Brassica  
L3 16 L2 AND BRASSICA

=> s l2 and poplar?  
L4 10 L2 AND POPLAR?

=> s l2 and tobacco  
L5 22 L2 AND TOBACCO

=> s l2 and Arabidopsis  
L6 24 L2 AND ARABIDOPSIS

=> d his

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FILE 'CAPLUS, BIOSIS, AGRICOLA, MEDLINE, CAOLD, CASREACT, CROPU, DGENE,  
DPCI, ENCOMPPAT2, EUROPATFULL, FRANCEPAT, FSTA, IFIPAT, INPADOC, JAPIO,  
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L1 469 S (GLUTAMYL CYSTEINE (W) SYNTHETASE) (2A) (GENE OR DNA OR NUCLEI  
L2 71 S L1 AND (RECOMBINANT OR EXPRESSION) AND PLANT  
L3 16 S L2 AND BRASSICA

L4 10 S L2 AND POPLAR?  
L5 22 S L2 AND TOBACCO  
L6 24 S L2 AND ARABIDOPSIS

=> d l3

L3 ANSWER 1 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 2002:107940 CAPLUS  
DN 136:139283  
TI Synthesis of glutamylcysteine synthetase for heavy metal accumulation in  
**Brassica** and its use in phytoremediation of soils and groundwater  
contaminated with heavy metals  
IN Terry, Norman; Pilon-Smits, Elizabeth; Zhu, Yong Liang  
PA USA  
SO U.S. Pat. Appl. Publ., 7 pp., Cont. of U.S. Ser. No. 365,349.  
CODEN: USXXCO  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	----	-----	-----	-----
PI	US 2002016983	A1	20020207	US 2001-933549	20010820
	US 6576816	B2	20030610		
PRAI	US 1999-365349	A1	19990730		

=> d l3 2-10

L3 ANSWER 2 OF 16 CAPLUS COPYRIGHT 2004 ACS on STN  
AN 1998:332105 CAPLUS  
DN 129:91207  
TI cDNA cloning and **expression** analysis of genes encoding GSH  
synthesis in roots of the heavy-metal accumulator **Brassica**  
juncea L.: evidence for Cd-induction of a putative mitochondrial  
 $\gamma$ -glutamylcysteine synthetase isoform  
AU Schafer, Holger J.; Haag-Kerwer, Angela; Rausch, Thomas  
CS Botanisches Institut der Ruprecht-Karls-Univ., Heidelberg, 69120, Germany  
SO Plant Molecular Biology (1998), 37(1), 87-97  
CODEN: PMBIDB; ISSN: 0167-4412  
PB Kluwer Academic Publishers  
DT Journal  
LA English  
RE.CNT 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD  
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(2004) on STN  
AN 2000:65971 AGRICOLA  
DN IND22059203  
TI Cadmium tolerance and accumulation in Indian mustard is enhanced by  
overexpressing gamma-glutamylcysteine synthetase.  
AU Zhu, Y.L.; Pilon-Smits, E.A.H.; Tarun, A.S.; Weber, S.U.; Jouanin, L.;  
Terry, N.  
AV DNAL (450 P692)  
SO Plant physiology, Dec 1999. Vol. 121, No. 4. p. 1169-1177  
Publisher: Rockville, MD : American Society of Plant Physiologists, 1926-  
CODEN: PLPHAY; ISSN: 0032-0889  
NTE Includes references  
CY Maryland; United States  
DT Article; Conference  
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